

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 – 20. (Canceled)

21. (Currently amended) A user terminal comprising:

a graphical user interface comprising a display and a user input device;

a multimedia message module comprising:

a communication module operable for receiving a multimedia message in one of a plurality of communication protocols from a server, said multimedia message comprising:

a presentation portion,

message data content,

a plurality of embedded control elements, wherein said embedded control elements comprise a LINK relationship; and

corresponding rules governing the plurality of control elements;

a parser module operable for splitting the multimedia message into three parts by:

parsing the multimedia message to separate the presentation portion of the multimedia message;

parsing the separated presentation portion to generate a presentation structure governing how to present the multimedia message;

parsing the corresponding rules to separate them from the multimedia message;

wherein the parser module is further operable for generating an action form by embedding the corresponding rules for extending operability of said plurality of control elements to support multimedia objects; and

an interactive module operable for:
generating a data model of the presentation structure based on the parsed presentation structure, according to a message format of the presentation structure,
loading the message data content into the data model for generating a message page;
presenting the generated message page on the display for user interaction;
generating an action event in response to the user interaction;
processing the action event based on the action form in order to enable the user to operate on the presented message page using a selected one of the plurality of the control elements; and
generating a corresponding action.

22. (Previously presented) The user terminal of claim 21 further comprising a storage module operable for storing the multimedia message within the terminal.

23. (Previously presented) The user terminal of claim 21 wherein the action form comprises a name and current value of the plurality of control elements.

24. (Previously presented) The user terminal of claim 23 wherein the user input device and the display are operable for enabling the user to select from among the plurality of control elements.

25. (Currently amended) The user terminal of claim 24 wherein user selection of at least one of the plurality of the control elements ~~element~~ determines the presentation structure.

26. (Currently amended) The user terminal of claim ~~24~~ 25 wherein the corresponding action further comprises an action selected from a group consisting of: modifying the message data content on the message page on the user terminal, changing the user selection of the at least one

of the plurality of the control ~~elements~~ element, and interacting with the server on a basis of the message page.

27. (Currently amended) The user terminal of claim 21 wherein ~~the a~~ relationship between the plurality of control elements further comprise ~~comprises at least one of a LINK relationship and a~~ CONTAIN relationship.

28. (Previously presented) The user terminal of claim 27, wherein the plurality of control elements comprises at least one interactive controller selected from a group consisting of: a submit button, a select button, a radio button, a check box, a text input field, a list box, a scroll bar, and an option menu.

29. (Previously presented) The user terminal of claim 21, wherein the multimedia message is in a language form selected from a group consisting of: XForms, XML, SMIL, XHTML, and HTML.

30. (Previously presented) The user terminal of claim 21 wherein the interactive module is further operable for triggering the action event to generate the corresponding action of modifying the message data content by operating on the selected control element.

31. (Previously presented) The user terminal of claim 21 wherein the message format comprises at least one of: a text format, an audio format, and a video format.

32. (Previously presented) The user terminal of claim 21 wherein said user terminal is a mobile telephone.